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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Addresses -- Entity Resolution: Overview and Challenges -- Towards a Statistically Semantic Web -- Invited Talk -- The Application and Prospect of Business Intelligence in Metallurgical Manufacturing Enterprises in China -- Conceptual Modeling I -- Conceptual Modelling – What and Why in Current Practice -- Entity-Relationship Modeling Re-revisited -- Modeling Functional Data Sources as Relations -- Conceptual Modeling II -- Roles as Entity Types: A Conceptual Modelling Pattern -- Modeling Default Induction with Conceptual

Structures -- Reachability Problems in Entity-Relationship Schema Instances -- Conceptual Modeling III -- A Reference Methodology for Conducting Ontological Analyses -- Pruning Ontologies in the Development of Conceptual Schemas of Information Systems -- Definition of Events and Their Effects in Object-Oriented Conceptual Modeling Languages -- Conceptual Modeling IV -- Enterprise Modeling with Conceptual XML -- Graphical Reasoning for Sets of Functional Dependencies -- ER-Based Software Sizing for Data-Intensive Systems -- Data Warehouse -- Data Mapping Diagrams for Data Warehouse Design with UML -- Informational Scenarios for Data Warehouse Requirements Elicitation -- Extending UML for Designing Secure Data Warehouses -- Schema Integration I -- Data Integration with Preferences Among Sources -- Resolving Schematic Discrepancy in the Integration of Entity-Relationship Schemas -- Managing Merged Data by Vague Functional Dependencies -- Schema Integration II -- Merging of XML Documents -- Schema-Based Web Wrapping -- Web Taxonomy Integration Using Spectral Graph Transducer -- Data Classification and Mining I -- Contextual Probability-Based Classification -- Improving the Performance of Decision Tree: A Hybrid Approach -- Understanding Relationships: Classifying Verb Phrase Semantics -- Data Classification and Mining II -- Fast Mining Maximal Frequent ItemSets Based on FP-Tree -- Multi-phase Process Mining: Building Instance Graphs -- A New XML Clustering for Structural Retrieval -- Web-Based Information Systems -- Link Patterns for Modeling Information Grids and P2P Networks -- Information Retrieval Aware Web Site Modelling and Generation -- Expressive Profile Specification and Its Semantics for a Web Monitoring System -- Query Processing I -- On Modelling Cooperative Retrieval Using an Ontology-Based Query Refinement Process -- Load-Balancing Remote Spatial Join Queries in a Spatial GRID -- Expressing and Optimizing Similarity-Based Queries in SQL -- Query Processing II -- XSLTGen: A System for Automatically Generating XML Transformations via Semantic Mappings -- Efficient Recursive XML Query Processing in Relational Database Systems -- Situated Preferences and Preference Repositories for Personalized Database Applications -- Web Services I -- Analysis and Management of Web Service Protocols -- Semantic Interpretation and Matching of Web Services -- Intentional Modeling to Support Identity Management -- Web Services II -- WUML: A Web Usage Manipulation Language for Querying Web Log Data -- An Agent-Based Approach for Interleaved Composition and Execution of Web Services -- A Probabilistic QoS Model and Computation Framework for Web Services-Based Workflows -- Schema Evolution -- Lossless Conditional Schema Evolution -- Ontology-Guided Change Detection to the Semantic Web Data -- Schema Evolution in Data Warehousing Environments – A Schema Transformation-Based Approach -- Conceptual Modeling Applications I -- Metaprogramming for Relational Databases -- Incremental Navigation: Providing Simple and Generic Access to Heterogeneous Structures -- Agent Patterns for Ambient Intelligence -- Conceptual Modeling Applications II -- Modeling the Semantics of 3D Protein Structures -- Risk-Driven Conceptual Modeling of Outsourcing Decisions -- A Pattern and Dependency Based Approach to the Design of Process Models -- UML -- Use of Tabular Analysis Method to Construct UML Sequence Diagrams -- An Approach to Formalizing the Semantics of UML Statecharts -- Applying the Application-Based Domain Modeling Approach to UML Structural Views -- XML Modeling -- A Model Driven Approach for XML Database Development -- On the Updatability of XML Views Published over Relational Data -- XBiT: An XML-Based Bitemporal Data Model -- Industrial Presentations I:

Applications -- Enterprise Cockpit for Business Operation Management -- Modeling Autonomous Catalog for Electronic Commerce -- GiSA: A Grid System for Genome Sequences Assembly -- Industrial Presentations II: Ontology in Applications -- Analytical View of Business Data: An Example -- Ontological Approaches to Enterprise Applications -- FASTAXON: A System for FAST (and Faceted) TAXONomy Design -- CLOVE: A Framework to Design Ontology Views -- Demos and Posters -- iRM: An OMG MOF Based Repository System with Querying Capabilities -- Visual Querying for the Semantic Web -- Query Refinement by Relevance Feedback in an XML Retrieval System -- Semantics Modeling for Spatiotemporal Databases -- Temporal Information Management Using XML -- SVMgr: A Tool for the Management of Schema Versioning -- GENNERE: A Generic Epidemiological Network for Nephrology and Rheumatology -- Panel -- Panel: Beyond Webservices – Conceptual Modelling for Service Oriented Architectures.